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(54) METALLIC MOLD DRAUGHT VERIFYING
 METHOD FOR FREE CURVED SURFACE

result is displayed.

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(57) Abstract:

PURPOSE: To provide an efficient design method in three-dimensional design as the verifying method for a metallic mold draught.

CONSTITUTION: This method is constituted of a first stage in which a normal vector value at a point instructed on a three-dimensional free curved surface is converted to a vector value projected on a Y-Z plane and the gradient angle of the Y-Z plane is calculated by the inner product of the value and a Z-axis vector, a second stage in which the normal vector value at an instructed point is converted to the vector value projected on an X-Y plane and the gradient angle of the X-Y plane is calculated by the inner product of the value and an X-axis vector, a third stage in which the gradient angle at the instructed point is found after comparing calculated gradient angles, and a fourth stage in which a

